



Oconee County Board of Commissioners
Public Works Department
FY 2015 & 2016
Transportation Improvement & Maintenance Plan
Program Summary
May 2014

EXECUTIVE SUMMARY

The FY15 & FY16 Transportation Improvement and Maintenance Plan (TIM Plan) summarizes a portion of the work that the OCPWD plans to perform within the framework of our mission. The TIM Plan outlines transportation infrastructure work to be performed in FY15 & FY16 in six (6) plan element areas as follows:

Element 01 – Road Resurfacing Program

Element 02 – Road Maintenance Minimization Program

Element 03 – Intersection Improvement Program

Element 04 – Design Studies Program

Element 05 - Bridge Repair & Improvement Program

Element 06 – Major Transportation Upgrades & Improvement Program

It should be noted that the above programs are in addition to and compliment the daily operations of the Oconee County Road Department in the maintenance of the County road system. Daily operations such as small area patching, shoulder maintenance, drainage maintenance, and emergency repairs, etc. are not included in the scope of the above programs.

The FY15 & FY16 TIM Plan establishes the following goals during the term of the Plan:

- ❖ Repair and resurface 20.0 miles of existing paved roads on the County System under County programs.
- ❖ Repair and resurface an additional 8.0 miles of existing paved roads on the County System under the GDOT LMIG Program.
- ❖ Complete maintenance minimization projects on 1.0 miles of existing gravel / dirt roads on the County System.
- ❖ Repair and/or improve various bridge structures.
- ❖ Complete final construction plans, right-of-way plans, right-of-way acquisition, and begin or complete construction on two major transportation system upgrade and improvement projects.

The FY15 & FY16 budget for each plan element is as follows:

<input type="checkbox"/> Element 01 – Road Resurfacing Program	\$ 1,900,000
<input type="checkbox"/> Element 02 – Road Maintenance Minimization Program	180,000
<input type="checkbox"/> Element 03 - Intersection Improvement Program	600,000
<input type="checkbox"/> Element 04 – Design Studies Program	0
<input type="checkbox"/> Element 05 – Bridge Repair & Improvement	50,000
<input type="checkbox"/> Element 06 – Major Transportation Improvements	<u>800,000</u>
<input type="checkbox"/> TOTAL FY15 & 16 TIM PLAN BUDGET	\$ 3,350,180

Funding sources for the plan elements are primarily SPLOST Funds with GDOT LMIG participation based on population and road mileage and FHWA funding by Congressional District apportionment for Major Transportation Upgrades.

FY13 & FY14 TIM PLAN OVERVIEW BY PROGRAM ELEMENT

Element 01 - Road Resurfacing Program

The Road Resurfacing Program provides for the resurfacing of existing paved county roads and subdivision streets. The PWD conducts an annual inspection of every road in the County and ranks them using a GDOT scoring methodology. The score assigned to a road takes into account the observed pavement condition and level of usage among other factors. The streets and roads contained within this program typically exhibit signs of significant deterioration or that need to be upgraded because of a change in use or traffic patterns. Generally these projects involve the removal and replacement of failed pavement sections followed by an asphalt overlay. This program includes two (2) sub-elements as follows:

Element 01.01 – County Road Repair & Resurfacing

Scope: 20 Miles of Resurfacing & Repair of Various Roads

Budget: \$ 1,900,000

Element 01.02 – County Road Repair ; LMIG Program

Scope: 8.0 Miles of Repair to Various County Roads (Funding level from GDOT based on population and road mileage and comes from the State Motor Fuel Tax)

Budget: \$ 500,000

The OCPWD annually prepares a list of candidate roads to be submitted to the GDOT for resurfacing under LMIG. The OCPWD also annually prepares a preliminary list of roads as candidates for repair and resurfacing under the County Resurfacing Program.

FY13 & FY14 TIM PLAN OVERVIEW BY PROGRAM ELEMENT

Element 02 - Road Maintenance Minimization Program

The Road Maintenance Minimization Program provides for the asphalt surface treatment of dirt roads within the County system. These projects involve grading and drainage improvements, the addition of graded aggregate to the road base, and an asphalt surface treatment. These improvements will be identified and executed in accordance with the requirements set forth in the AASHTO “Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT ≤ 400). The program will focus on minimizing maintenance, improve the ride quality of the road and reduce road dust on existing dirt-gravel roads. It is not the intent of the road maintenance minimization program to pave roads that will support future development.

- **Element 02.01**

Scope: Grade, remove rock, replace cross drains, replace driveway culverts (as required), provide base and surface treatment for approximately 1.0 mile.

Budget: \$ 180,000

FY13 & FY14 TIM PLAN OVERVIEW BY PROGRAM ELEMENT

Element 03 - Intersection Improvement Program

The Intersection Improvement Program provides for the upgrade of intersections to improve safety and increase traffic flow at various intersections within the County system. These types of projects would include signage, the installation of traffic signals, and turn lane additions / enhancements. Sub-elements under this program are as follows:

- **Element 03.01**

Scope: Improve & Signalize the intersection of Mars Hill/Rocky Branch/Virgil Langford Roads. Turn lanes will be added and this intersection signalized. Scope includes design services and construction surveying. Road Department will self-perform grading and base work.

Budget: \$ 600,000

FY13 & FY14 TIM PLAN OVERVIEW BY PROGRAM ELEMENT

Element 04 – Design Studies Program

The Design Studies Program provides for the engineering studies used to determine the scope, feasibility and estimated cost that are used in the planning of future major transportation system upgrades. These studies are necessary for the MACORTS MPO (Metropolitan Planning Organization that Oconee is a part of) for securing GDOT/FHWA support and funding.

There are currently no design studies proposed for TIM Plan funding. Should specific needs for design studies arise, this element can be modified as funding is identified.

FY13 & FY14 TIM PLAN OVERVIEW BY PROGRAM ELEMENT

Element 05 – Bridge Repair & Improvement

The Bridge Repair & Improvement Program provides for the repair and maintenance of existing bridges. The need for these repairs is generally identified by GDOT in their 2-year bridge inspection program. Each bridge in Oconee County is thoroughly inspected every two years by a GDOT bridge expert, and the results are sent to OCPWD. GDOT prequalified bridge engineering firms are then contracted to perform the needed repairs.

- **Element 05.01**

Scope: Repair & improve bridges on off-system routes in Oconee County as recommended by GDOT.

Budget: \$ 50,000

FY13 & FY14 TIM PLAN OVERVIEW BY PROGRAM ELEMENT

In addition to the above programs, there are several active projects that are currently ongoing with the GDOT and MACORTS. The projects under this program will reach various stages of design and construction over the next several fiscal years. Funds for which Oconee County will be reimbursed by GDOT are not identified herein, only non-reimbursable costs. Sub-elements of this program for FY15 & 16 are as follows:

Element 06.01 - Mars Hill Road Widening – Phase I

Scope: This project provides for the widening of Mars Hill Road from the intersection of SR53 and Mars Hill Road at Butler’s Crossing to the intersection of the Oconee Connector and SR316. The project design is complete and Right-of-Way acquisition has been finished, although there are still a number of unresolved condemnations pending settlement or judgment. Construction will be dependent on the timing of GDOT & FHWA funding, but is currently scheduled for the July 2014 letting. Oconee County will ultimately be reimbursed by GDOT up to \$8,600,000 for right-of-way costs. GDOT will pay for 80% of utility relocation and 100% of sidewalk costs. Oconee County is responsible for right-of-way acquisition costs and any costs associated with upgrading relocated utilities. No construction contract has been entered into as of this date, so specific costs cannot be assigned. The numbers presented below should be used as a guide.

FY 15-16 Design Budget:	\$ 100,000
<u>FY 15-16 ROW Acquisition Budget</u>	<u>\$ 100,000</u>
Total FY 15-16	\$ 200,000

Element 06.02 - Mars Hill Road Widening – Phase II

Scope: This project provides for the widening of Experiment Station Road/SR53 from the intersection of SR53, Hog Mountain Road, and Mars Hill Road at Butler’s

Crossing to the interchange at SR53 and US441. The project design is approximately 75% complete and a Right-of-Way acquisition contract has been entered into by GDOT and the County. Construction will be dependent on the timing of GDOT & FHWA funding, but is currently scheduled for GDOT FY18. Oconee County will ultimately be reimbursed by GDOT up to \$3,092,514 for right-of-way costs. No construction costs are anticipated during the term of this TIM Plan, but it is expected that GDOT will pay for 80% of utility relocation and 100% of sidewalk costs on this phase as well. Oconee County is responsible for right-of-way acquisition costs and any costs associated with upgrading relocated utilities.

The numbers presented below should be used as a guide.

FY 15-16 Design Budget:	\$ 400,000
<u>FY 15-16 ROW Acquisition Budget</u>	<u>\$ 250,000</u>
Total FY 15-16	\$ 650,000

APPENDIX B – FY 13 & FY 14 TIM PLAN ACCOMPLISHMENTS

<u>Patching & Resurfacing</u>	<u>Miles</u>
Arrowhead Road	0.55
Apache Road	0.06
Barnet Shoals Road	0.8
Barnet Shoals Road	1.9
Barnet Shoals Road	1.2
Cisco Trail	0.2
Colham Ferry Road	0.55
Charles Court	0.03
Dowdy Road	0.04
Etowah Court	0.06
Garrett Road	0.8
Gober Road	0.5
Harrowford Drive North	0.25
Harrowford Drive South	0.25
Jennings Mill Road	0.44
Marys Court	0.03
Maxey Road	1.4
McRees Gin Road	2.00
Norton Road	1.2
Parker Creek Road	1.0
Richards Court	0.01
Summit Grove Drive	0.25
Union Church Road	1.4
Watson Springs Road	1.0
Watson Springs Road	1.0
<u>Watson Springs Road</u>	<u>0.9</u>
Total miles of road_	17.8
<u>LMIG</u>	
Coltfelter Road	3.1
New High Shoals Road	2.87
<u>Salem Road</u>	<u>5.4</u>
Total miles of road_	11.4
<u>Maintenance Minimization</u>	
Elder Road Extension	0.4
<u>Plantation Drive</u>	<u>0.5</u>
Total miles of road_	0.9

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